

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052924\  
 Data File : VX041674.D  
 Acq On : 29 May 2024 15:20  
 Operator : JC/MD  
 Sample : VX0529WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0529WBSD01

Quant Time: May 30 07:43:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/30/2024  
 Supervised By : Semsettin Yesilyurt 05/30/2024

| Compound                     | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|------------------------------|----------------|------|------------|----------|-------|----------|
| -----                        |                |      |            |          |       |          |
| Internal Standards           |                |      |            |          |       |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 169952     | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 241048     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 223091     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 121341     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 93319      | 44.770   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 89.540%  |       |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 73462      | 44.079   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 88.160%  |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 259652     | 44.589   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 89.180%# |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 98290      | 45.732   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 91.460%  |       |          |
| Target Compounds             |                |      |            |          |       |          |
|                              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 29914      | 20.032   | ug/l  | 96       |
| 3) Chloromethane             | 1.300          | 50   | 30505      | 18.722   | ug/l  | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 31789      | 18.952   | ug/l  | 100      |
| 5) Bromomethane              | 1.599          | 94   | 20855      | 17.853   | ug/l  | 99       |
| 6) Chloroethane              | 1.666          | 64   | 18384      | 18.134   | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 53642      | 19.584   | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 21189      | 20.072   | ug/l  | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 2.312          | 101  | 29808      | 19.206   | ug/l  | 87       |
| 10) Methyl Iodide            | 2.447          | 142  | 38169      | 19.722   | ug/l  | 91       |
| 11) Tert butyl alcohol       | 3.001          | 59   | 33448      | 90.711   | ug/l  | # 89     |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 28188      | 18.606   | ug/l  | 90       |
| 13) Acrolein                 | 2.239          | 56   | 35205      | 102.542  | ug/l  | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 48212      | 19.344   | ug/l  | 98       |
| 15) Acrylonitrile            | 3.068          | 53   | 92468      | 102.255  | ug/l  | 99       |
| 16) Acetone                  | 2.392          | 43   | 93375      | 100.394  | ug/l  | 97       |
| 17) Carbon Disulfide         | 2.501          | 76   | 60483      | 18.047   | ug/l  | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 40123      | 20.160   | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 101720     | 20.068   | ug/l  | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 34269      | 18.371   | ug/l  | 95       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 28942      | 18.413   | ug/l  | 90       |
| 22) Diisopropyl ether        | 3.763          | 45   | 101391     | 19.906   | ug/l  | 98       |
| 23) Vinyl Acetate            | 3.721          | 43   | 470861     | 102.901  | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 54980      | 19.089   | ug/l  | 97       |
| 25) 2-Butanone               | 4.568          | 43   | 135759     | 104.795  | ug/l  | 99       |
| 26) 2,2-Dichloropropane      | 4.464          | 77   | 44110      | 18.667   | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 36038      | 19.180   | ug/l  | 92       |
| 28) Bromochloromethane       | 4.897          | 49   | 17830      | 14.374   | ug/l  | 83       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 84362      | 103.259  | ug/l  | 95       |
| 30) Chloroform               | 5.092          | 83   | 58583      | 19.373   | ug/l  | 98       |
| 31) Cyclohexane              | 5.464          | 56   | 45844      | 18.629   | ug/l  | 92       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 50843      | 19.187   | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 38699      | 19.177   | ug/l  | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 50436      | 19.804   | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 42704      | 18.626   | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 49291      | 19.882   | ug/l  | 93       |
| 40) Benzene                  | 6.037          | 78   | 122049     | 19.349   | ug/l  | 98       |

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 Sample : VX0529WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0529WBSD01

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 05/30/2024  
 Supervised By :Semsettin Yesilyurt 05/30/2024

Quant Time: May 30 07:43:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 27200    | 21.838  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 47654    | 20.238  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 78717    | 20.472  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 33001    | 19.237  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 29586    | 19.728  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 23595    | 20.512  | ug/l # | 82       |
| 47) Bromodichloromethane      | 7.818  | 83   | 41813    | 19.632  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 39056    | 21.151  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 16728m   | 414.621 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 270836   | 108.623 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 79468    | 19.852  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 41785    | 19.931  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 45140    | 19.463  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 32825    | 20.342  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 52050    | 21.133  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 54815    | 20.461  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 122436   | 105.589 | ug/l   | 94       |
| 59) 2-Hexanone                | 9.433  | 43   | 209424   | 110.169 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 35734    | 19.963  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 35617    | 20.913  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 32551    | 19.468  | ug/l   | 90       |
| 65) Chlorobenzene             | 10.079 | 112  | 92995    | 19.423  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 32193    | 19.378  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 150841   | 19.769  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 120938   | 39.842  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 60596    | 20.067  | ug/l   | 92       |
| 70) Styrene                   | 10.652 | 104  | 99653    | 19.980  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 28021    | 19.367  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 151775   | 20.165  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.841 | 43   | 69536    | 20.855  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 54296    | 20.327  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 43964m   | 20.766  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 43876    | 19.749  | ug/l   | 80       |
| 78) n-propylbenzene           | 11.305 | 91   | 168729   | 20.415  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 104562   | 19.683  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 127293   | 20.255  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 14388    | 18.522  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 121468   | 20.099  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 135319   | 19.990  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 130385   | 20.478  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 157654   | 20.314  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 140527   | 20.646  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 78616    | 19.813  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 79126    | 19.346  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 110299   | 20.470  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 21707    | 18.750  | ug/l   | 62       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 81129    | 20.073  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 11613    | 21.520  | ug/l   | 68       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 53033    | 19.910  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 26496    | 20.078  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 166142   | 21.137  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 56112    | 20.469  | ug/l   | 96       |

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0529WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/30/2024  
Supervised By :Semsettin Yesilyurt 05/30/2024

Quant Time: May 30 07:43:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 30 07:36:24 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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